

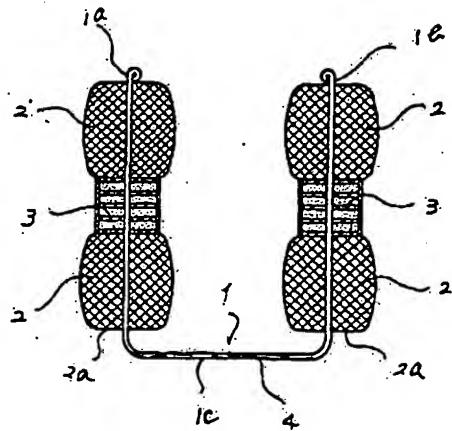
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Fixed keyword:  
Citation: [ , . . . , ] ( , , )  
Title of invention: A tool for hay fever prevention  
Abstract: [ABSTRACT]  
Nare can prevent obstruction, a hay fever in attraction of pollen by what is loaded beforehand without it is hypsiloid in tenuis elasticity Line, and outwardly it being noticed in what was able to possess occasion bending, each the occasion flexure department in the spongy body which went through filter layer such as active carbon midway.

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Japanese Utility Model Application No. S59-125767

1. Title of the device

Hay Fever Preventer

2. Claims

1. A hay fever preventer comprising a thin resilient line 1 bent into a U-shape, wherein spongy objects 2 are attached to respective bent portions 1a and 1b of the thin resilient line 1, the spongy object 2 having an intermediate filter layer 3 made of active carbon and the like.
2. A hay fever preventer according to Claim 1, wherein the resilient line 1 is colored with skin color 4.
3. A hay fever preventer according to Claim 1 or 2, wherein a bottom surface 2a of the spongy object 2 is colored with black 5.

3. Detailed Description of the Device

[Object of the Device]

(Industrial Applicability)

This device relates to a preventer for hay fever which allergic people suffer from in the early spring.

(Prior Art)

Symptoms of hay fever begin with a sneezing fit, leading to itching in the nostrils and around the eyes, and then to respiratory problems forcing the patients to be hospitalized.

However, there has been no specific agent for hay fever,

and the best remedy so far is merely to wear a mask for preventing inhaling pollen.

(Problem to be Solved by the Device)

The present device is created under such a circumstance, to remove the burden of wearing a mask in the early spring, while preventing pollen to be inhaled by fitting the device into the nostrils without being noticed from outside, thereby preventing hay fever from occurring.

[Configuration of the Device]

(Embodiment)

According to the embodiment shown in the drawings, 1 represents a thin metal line having flexibility (hereinafter referred to as "a resilient line"), being bent in a U-shape in accordance with the ordinary spacing between the nostrils. A spongy object 2 having a filter layer 3 made of active carbon disposed intermediately is attached to respective bent portions 1a and 1b of the resilient line 1.

The shape of the spongy object 2 may be optional, such as cylinder or ball, and the measure thereof is made appropriate for forcibly inserting into the nostril.

Furthermore, the resilient line is colored with skin color 4, and a bottom surface 2a of the spongy object 2 is colored with black 5. The coloring is made for the present device to be not noticeable from outside, as described hereinafter.

(Operation)

Now, to use the present device having the above configuration, hold the respective spongy objects 2 and 2 attached to the resilient line 1 between fingers with narrowing the distance of the spongy objects 2 and 2 to insert them into the nostrils, as shown in Fig. 3. The respective spongy objects 2 is pressed lightly against the inside of the nostrils and fixed therein due to a restorative force of the resilient line 1. The depth of insertion is kept constant because a horizontal portion 1c of the resilient line 1 contacts with the central bone of the nose.

By wearing the device constantly in the early spring, especially when going out, the pollen floating in midair is prevented completely to enter into the nostrils, because the nostrils are filled with the spongy objects 2 and furthermore the filter layer 3 of active carbon and the like is disposed in the middle of the respective spongy objects 2.

Since the spongy objects 2 have a sufficient breathability, the users can spend the comfortable life as usual without suffering from respiratory problems.

[Effect of the Device]

As described hereinbefore, the present device can prevent hay fever from occurring by preventing the pollen entering into the nostrils. The effect of the present device has been proved by the wife and several acquaintances of the present

creator, who suffer from hay fever every year.

Although the horizontal portion 1c of the thin resilient line 1 is visible from outside under the central bone of the nose while wearing the present device, the position is almost invisible in nature and the resilient line 1 is colored with skin color 4 and the bottom surface 2a of the spongy object 2 is colored with black 5, so that the device is almost unnoticeable. Even if being noticed by other people, it is acceptable when considering the effect that the device prevents the user suffering from hay fever.

The present device may be mass-produced at lower cost, and thus it is desirable to consider it as a consumable being disposed of after used once.

#### 4. Brief Description of the Drawings

The drawings show the embodiment of the present device, wherein; Fig. 1 is a perspective view; Fig. 2 is a cross-sectional plan view; and Fig. 3 is a schematic view of the device in use.

- 1 thin resilient line
- 1a, 1b bent portion thereof
- 1c horizontal portion thereof
- 2 spongy object
- 2a bottom surface thereof
- 3 filter layer
- 4 skin color

5 black

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⑩ 日本国特許庁 (JP)

⑪ 実用新案出願公開

⑫ 公開実用新案公報 (U)

昭61- 39556

⑬ Int.CI.

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6859-4C

⑭ 公開 昭和61年(1986)3月12日

審査請求 未請求 (全頁)

⑮ 考案の名称 花粉病予防具

⑯ 実 願 昭59- 125767

⑰ 出 願 昭59(1984)8月17日

⑲ 考案者 植松 清志 宇都宮市雀宮町1669-41

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## 明細書

1. 考案の名称 花粉病予防具

2. 実用新案登録請求の範囲

- 1) 細い弾力線1をU字型に折曲げ、その各折曲部1a, 1bに活性炭等の滤過層3を中間に介した海綿状物体2を取付けたことを特徴とする花粉病予防具。
- 2) 弾力線1に肌色4を施した実用新案登録請求の範囲第1項記載の花粉病予防具。
- 3) 海綿状物体2の下面2aに黒色5を施した実用新案登録請求の範囲第1項または第2項記載の花粉病予防具。

3. 考案の詳細な説明

[考案の目的]

(産業上の利用分野)

この考案は、春先にアレルギー体質の人が罹る花粉病の予防具に関する。

(従来技術)

花粉病は、くしゃみが多く出るくらいはまだ軽い症状であり、重くなると鼻孔や目の周辺にひどいかゆみを覚え、さらにひどくなると呼吸困難迄

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来たとして入院を余儀なくされる。

しかし未だこれに対する特効薬がなく、マスクを掛けて花粉を吸わないようにするのが最良であるというはなはだ心細い現状にある。

(考案が解決しようとする問題点)

本考案は、このような実情に鑑みてなされたもので、春先、マスクを掛けるという煩わしさから開放させ、外見上気付かれることなく鼻孔に装着することにより花粉の吸引を妨げ、花粉病を未然に防止する器具を提供するものである。

[考案の構成]

(実施例)

以下図面の実施例によって説明すると、1が弾力を保有する細い金属線（以下「弾力線」という）で、標準の鼻孔間隔に合わせてU字型に折曲げる。そしてその各折曲部1a, 1bに、中間に活性炭の透過層3を介した海綿状物体2を取付ける。

この海綿状物体2の形状は、円柱状、球状等任意であり、またその量目は、鼻孔内に圧入するに適当なものとする。

さらに上記弾力線には、標準の肌色4を施し、また海綿状物体2の下面2aには、黒色5を施し

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である。これは、後に述べるように、本案具を装着したとき、外見上殆ど気付かれないようするためである。

## (作用)

今、以上の構成の本案具を使用するには、第3図に示すように、弾力線1に取付けた各海綿状物体2、2を指で摘まんで窄めるようにして鼻孔内に挿入する。すると弾力線1の復元力によって各海綿状物体2が鼻孔内に軽く圧着されて固定され。その挿入深さは、弾力線1の水平部1cが鼻の中心骨に突当たって一定となる。

こうして春先特に外出の折に常時装着していれば、空中を飛ぶ花粉は、鼻孔が海綿状物体2に塞がれ、特にその中間に活性炭等の滤過層3が設けられているから、侵入が完全に阻止される。

海綿状物体2は十分通気性を保有するから、呼吸困難になることもなく、通常と変わらぬ快適な生活を維持できる。

## [考案の効果]

本考案は、以上のように、花粉の鼻孔内への侵入を妨げることにより、花粉病を未然に防ぐことができるものであり、その効果は、毎年花粉病に

悩まされる本考案者の妻並びに数人の知人によつて実証済みである。

なお、本案具は、その装着により、細い弾力線1の水平部1cが中心骨の外部に覗くが、もともと極めて目立たない場所であるばかりでなく、この弾力線1を肌色4に着色し、さらに鼻孔に露出する海綿状物体2の下面2aを黒色5に着色する態様とすれば、殆ど気付かれない。万一気付かれたらとしても花粉病に罹らないで済むことを考え併せれば、受忍し得る。

安価に量産できるから、一度使用して汚れたものは使い捨てとする消耗品として考えることが望ましいであろう。

#### 4. 図面の簡単な説明

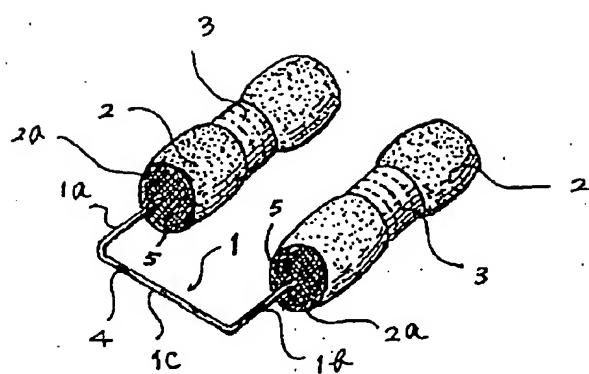
図面は、本考案の実施例を示すもので、第1図は斜視図、第2図は横断平面図、第3図は使用状態を示す模式図。

1---細い弾力線、1a, 1b---その各折曲部、1c---その水平部、2---海綿状物体、2a---その下面、3---滤過層、4---肌色、5---黒色。

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図面

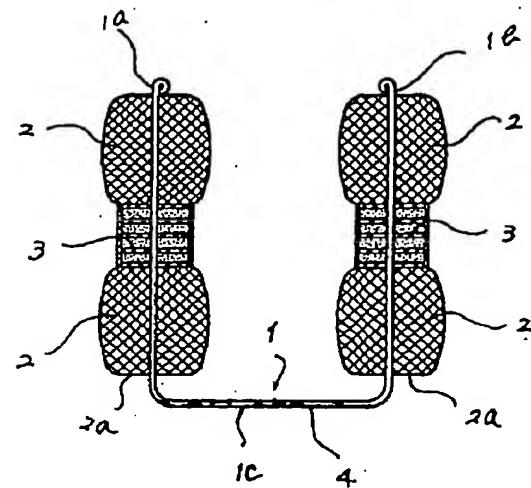
第1図



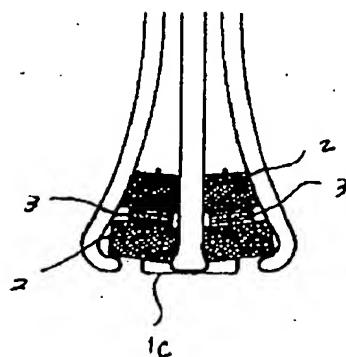
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第2図



第3図



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实用新案登録出願人 植松  
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